



# RS401L/KBL005      THRU      RS407L/KBL10

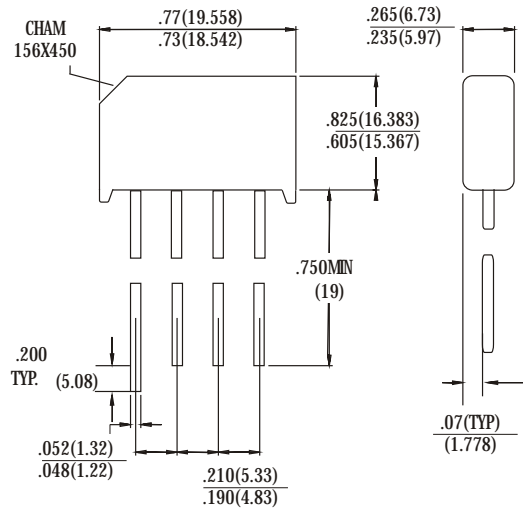
## Single Phase 4.0 AMPS. Silicon Bridge Rectifiers

Voltage Range  
50 to 1000 Volts  
Current  
4.0 Amperes

**Features**

Ideal for printed circuit board  
 Reliable low cost construction  
 High surge current capability  
 High temperature soldering guaranteed:  
 250°C / 10 seconds / 0.375" ( 9.5mm )  
 lead length at 5 lbs., ( 2.3 kg ) tension  
 Leads solderable per MIL-STD-202,  
 Method 208

**KBL**



Dimensions in inches      and (millimeters)

**Maximum Ratings and Electrical Characteristics**

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	RS	RS	RS	RS	RS	RS	RS	Units
	401L	402L	403L	404L	405L	406L	407L	
	KBL 005	KBL 01	KBL 02	KBL 04	KBL 06	KBL 08	KBL 10	
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T <sub>A</sub> = 50°C	4.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load	200							A
Maximum Instantaneous Forward Voltage@ 3.0A Peak	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	10							uA
Maximum Reverse Current at Rated DC Blocking Voltage and 150°C	1.0							mA
Operating Temperature Range TA	-55 to +150							°C

FIG. 1 - MAXIMUM FORWARD SURGE CURRENT

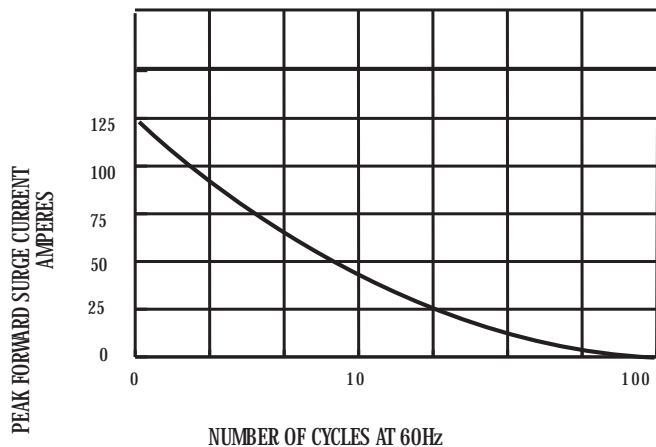


FIG. 2 - DERATING CURVE  
OUTPUT RECTIFIED CURRENT

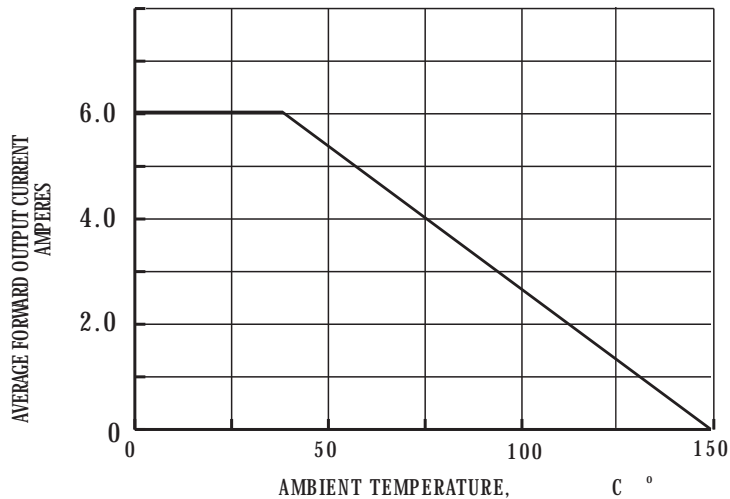


FIG. 3 - TYPICAL FORWARD CHARACTERISTICS

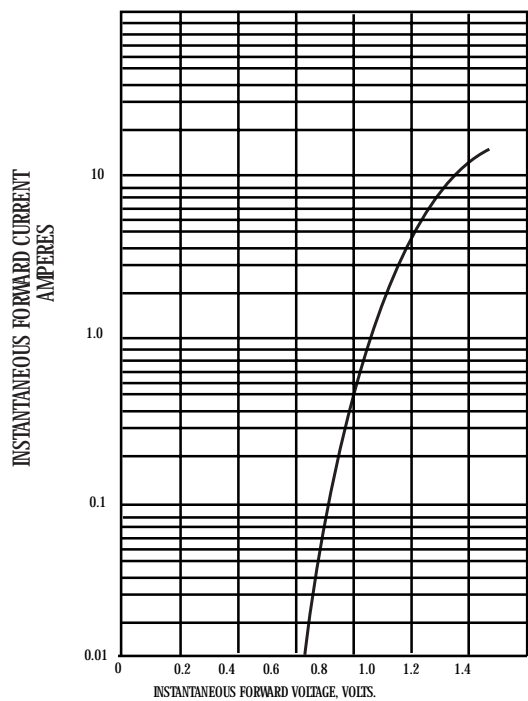


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

